

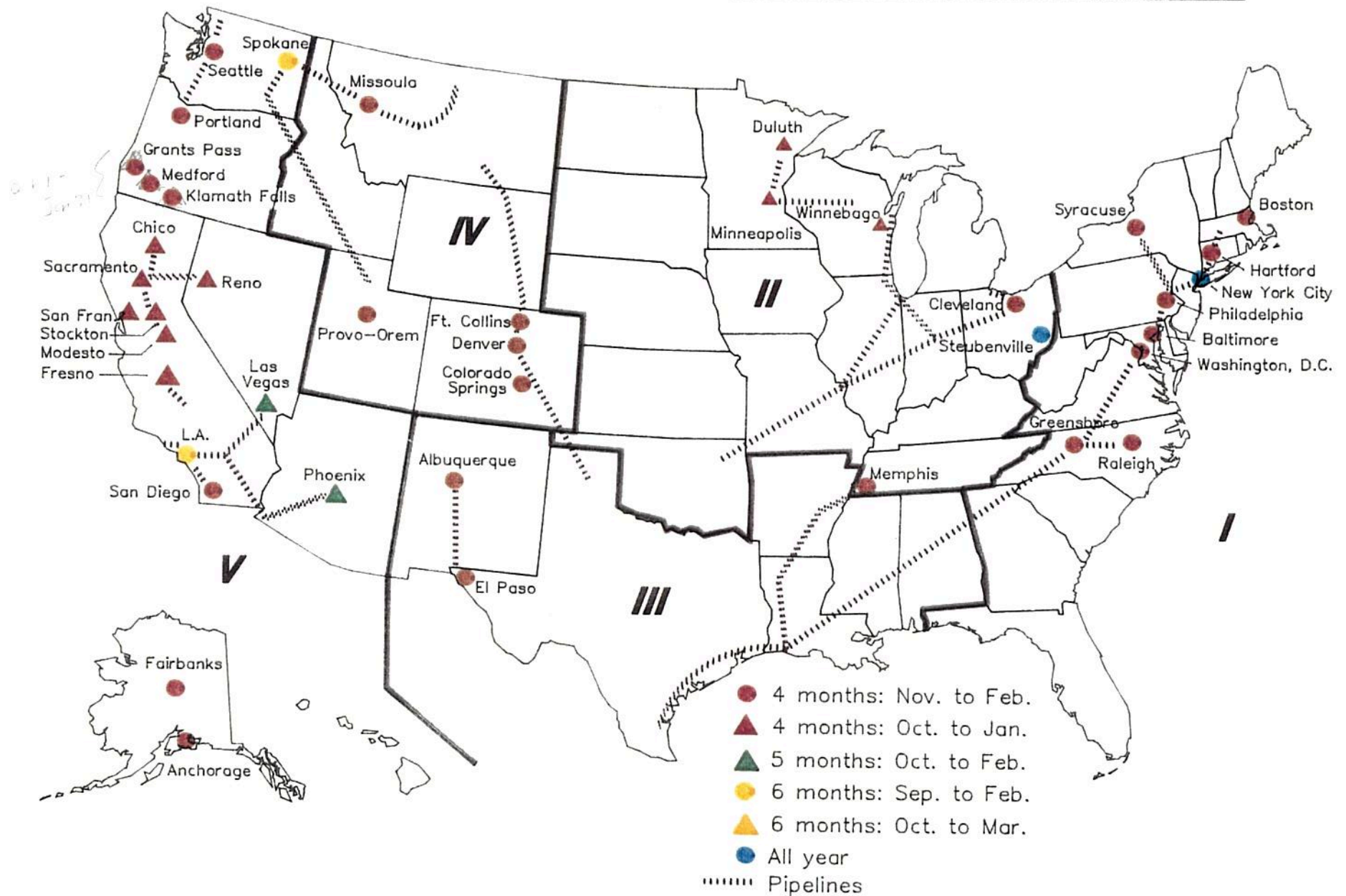
# OXYGENATE CONTROL PERIODS--APPROACH I

	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Design Value
<b>PADD 1</b>								
Baltimore								9.5
Boston								9.8
Greensboro								9.7
Hartford								10.2
Philadelphia								11.6
Raleigh								10.9
Syracuse								9.7
Washington, DC								11.4
New York/No. NJ *								13.5
<b>PADD 2</b>								
Cleveland								10.1
Memphis								9.6
Duluth								9.9
Winnebago								19.9
Steubenville *								19.6
Minneapolis *								11.4
<b>PADD 3</b>								
Albuquerque								11.1
El Paso								12.6
<b>PADD 4</b>								
Colorado Springs								11.8
Denver/Boulder								16.2
Fort Collins								11.3
Missoula								9.6
Provo/Orem								15.8
<b>PADD 5</b>								
Anchorage								13.1
Fairbanks								13.2
Fresno								13
Grant's Pass, OR								10.3
Klamath Co., OR								10.5
Medford								12.1
San Diego								9.9
Chico								10.4
Modesto								11.8
Portland								10
Reno								9.6
Sacramento								12.6
San Francisco								11.8
Stockton								10.4
Las Vegas								14.4
Phoenix								12.6
Los Angeles								23.4
Seattle								14.8
Spokane								13.8

\* Areas shaded black have twelve month proposed control periods.



## Length of Winter Oxy-Fuels Control Period -- Approach II







# OXYGENATE CONTROL PERIODS--APPROACH II

	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Design Value
<b>PADD 1</b>								
Baltimore								9.5
Boston								9.8
Greensboro								9.7
Hartford								10.2
Philadelphia								11.6
Raleigh								10.9
Syracuse								9.7
Washington, DC								11.4
New York/No. NJ *								13.5
<b>PADD 2</b>								
Cleveland								10.1
Memphis								9.6
Duluth								9.9
Winnebago								19.9
Minneapolis								11.4
Steubenville *								19.6
<b>PADD 3</b>								
Albuquerque								11.1
El Paso								12.6
<b>PADD 4</b>								
Colorado Springs								11.8
Denver/Boulder								16.2
Fort Collins								11.3
Missoula								9.6
Provo/Orem								15.8
<b>PADD 5</b>								
Anchorage								13.1
Fairbanks								13.2
Fresno								13
Grant's Pass, OR								10.3
Klamath Co., OR								10.5
Medford								12.1
Portland, OR								10
Seattle								14.8
San Diego								9.9
Chico								10.4
Modesto								11.8
Reno								9.6
Sacramento								12.6
San Francisco								11.8
Stockton								10.4
Las Vegas								14.4
Phoenix								12.6
Los Angeles								23.4
Spokane								13.8

\* Areas shaded black have twelve month proposed control periods.



*Kelly B*

# **OXYGENATED GASOLINE PROGRAM**

## **Requirements**

- 2.7% oxygen during control period.
- Control period is when area is prone to high ambient concentrations of CO. Designation by Administrator. Most programs are proposed to be four months.
- Control season starts no later than November 1, 1992. Some programs are proposed to start in October or September.
- Applies to CMSA/MSA.
- EPA required to issue guidelines for averaging and trading program.
- State enforced SIP requirement.





# ***OXYGENATED GASOLINE PROGRAM***

## **Possible Waivers**

- State petitions based on interference with attainment of another NAAQS.
- State petitions that CO problem is primarily stationary.
- State demonstrates that reduced period will not result in CO exceedance outside reduced period.
- Any person may petition for maximum of two, one year waivers based on inadequate domestic supply of, or distribution capacity for, oxygenates or oxygenated gasoline.



# ***OXYGENATED GASOLINE PROGRAM***

## **Regulatory Negotiated Rulemaking**

- **Averaging and Trading Guidelines**

- Compliance with 2.7% standard on the average determined at terminal level due to requirement that average be met in each nonattainment area.
- May be a minimum oxygen spec. per gallon.

- **Control Period Guidelines**

- Two proposals with main difference in Minneapolis.
- Minnesota recently indicated they want four months in Minneapolis.
- New York has indicated preference for 2.0 summer/2.7 winter program.

- **Labeling Regulations**

- Simple
- No requirement to note type of oxygenate.

- **Supply/Distribution Waivers**

- Controversial





# ***OXYGENATED GASOLINE PROGRAM***

## **Schedule**

- Statutory deadline of August 15, 1991 for averaging and trading guidance.
- Statutory deadline of August 15, 1991 for labeling regulations.
- Control period guidance will be issued with above.
- Implementation guidance -- December 1991.



## **Approaches to Determining Control Periods**

### **\* High Ambient Concentrations**

- 1988-89 monitoring data (used for program inclusion)
- Five days in each month with highest eight hour average

### **\* "Core" months**

- CAA requires four month minimum
- Start on or before November 1
- "Default" program is November through February, absent contrary indications in the data

### **\* Transportation and Logistics -- Where possible, areas sharing pipelines or other key transport/storage facilities were given same control period.**





### ***Length of Winter Oxy-Fuels Control Period -- Approach 1***

